



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/697,026	10/31/2003	Kazuki Emori	SHO-0037	1078
23353 7590 10/04/2007 RADER FISHMAN & GRAUER PLLC LION BUILDING 1233 20TH STREET N.W., SUITE 501 WASHINGTON, DC 20036			EXAMINER KIM, ANDREW	
			ART UNIT 3714	PAPER NUMBER
			MAIL DATE 10/04/2007	DELIVERY MODE PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

## Office Action Summary

Application No.

10/697,026

Applicant(s)

EMORI ET AL.

Examiner

Andrew Kim

Art Unit

3714

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 05 April 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1,3,4 and 6-17 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1,3,4 and 6-17 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
- 1) ☒ Certified copies of the priority documents have been received.
  - 2) ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - 3) ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date <u>9/12/07</u> . | 6) <input type="checkbox"/> Other: _____  |

**DETAILED ACTION**

***Claim Rejections - 35 USC § 102***

The text of those sections of Title 35, U.S. Code 102 not included in this action can be found in a prior Office action.

**Claims 1, 4, 9 are rejected under 35 U.S.C. 102(e) as being anticipated by Inoue (US 2004/0038726).**

Claims 1, 4: Inoue discloses

- a plurality of symbol strips each having a plurality of symbols (paragraph 27);
- a plurality of annular bodies to which each of the symbol strips are annularly attached (paragraph 27);
- image display means provided in front of the plurality of annular bodies and configured to display an image concerning a game (fig. 1, item 2) ; and
- a light source configured to illuminate the symbols from behind the symbols (paragraph 29),
- wherein the plurality of annular bodies are made transparent or semitransparent for transmitting light from the light source in a direction of the image display means (paragraph 29).

Claim 9: Inoue discloses wherein the at least one light source is a plurality of light sources (fig. 3).

***Claim Rejections - 35 USC § 103***

The text of those sections of Title 35, U.S. Code 103 not included in this action can be found in a prior Office action.

**Claims 3, 6, and 12-17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Inoue (US 2004/0038726) in view of Ozaki et al. (US 2001/0031658).**

Claim 3, 6: Inoue discloses

- a plurality of symbol strips each having a plurality of symbols (paragraph 27);
- a plurality of annular bodies to which each of the symbol strips are annularly attached (paragraph 27);
- image display means provided in front of the plurality of annular bodies and configured to display an image concerning a game (fig. 1, item 2); and

Inoue does not explicitly disclose

- a light source configured to illuminate the symbols from a slanting direction of a front of the symbols,

- wherein the plurality of annular bodies are formed to reflect light from the light source in a direction of the image display means.

Instead, Inoue teaches a gaming machine that includes a light source configured to illuminate the symbols from behind the reels to allow the symbols to be noticeably visible to the player (paragraph 27-29). In an analogous reference, Ozaki teaches a light source configured to illuminate the symbols from a slanting direction [in] front of the symbols (fig. 2, item 29). It would have been obvious to one of ordinary skill in the art to illuminate the symbols in this way to light the symbols such that the user may see the symbols better and know quickly if a winning combination has occurred. Therefore, it would have been obvious to one of ordinary skill in the art at the time of the instant invention to modify Inoue with a light source from a slanting direction to increase player appeal.

Claims 12-15: Inoue does not explicitly teach wherein front display means is a liquid crystal display, however it would have been obvious to one of ordinary skill in the art to use a liquid crystal display because it provides various overlapping patterns with good visibility and a high game selection capability to a player (abstract) as taught by analogous reference Ozaki. Therefore, it would have been obvious to one of ordinary skill in the art at the time of the instant invention to modify Inoue with overlapping LCD screen to provide various overlapping patterns with good visibility and a high game selection capability to a player.

Art Unit: 3714

Claims 16 and 17: Inoue fails to explicitly disclose a light source as described in the instant specification. Instead, Inoue discloses a light source within the reel housing as well as a monitor that may be used as a light source. In an analogous reference, Ozaki teaches a light source between an LCD panel and the reels (Ozaki, fig. 2) to provide back lighting for the LCD and to illuminate the reels. One of ordinary skill in the art would have seen the benefit of modifying Inoue as modified by Ozaki with two light sources between an LCD and the reels to further provide better backlighting for the LCD and to further illuminate the reels. Therefore, it would have been obvious to one of ordinary skill in the art at the time of the instant invention to modify Inoue with two light sources between the LCD panel and reels to provide better backlighting and illumination of the reels.

**Claims 7, 8, 10, and 11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Inoue (US 2004/0038726).**

Claims 7, 8: Inoue does not explicitly wherein the annular body is formed in white color. Instead, Inoue omits the color of the plastic reel (paragraph 27). However, it is notoriously well known in the art for the reels to be of a white color. One of ordinary skill in the art would have been motivated to provide white polycarbonate reels such that any designs or images displayed in front of the reels are more visible and resistant to impact and heat. Therefore, it would have been obvious to one of ordinary skill in the art at the time of the instant invention to modify Inoue with white reels to allow the player to easily

Art Unit: 3714

see any designs or images displayed in front of the reels and longer durability of the reels.

Claims 10 and 11: Inoue does not explicitly teach wherein the structure of the annular bodies are described. Instead, it would have been an obvious matter of design choice to have the annular bodies of Inoue built as described in claims 10 and 11 since the Applicant has not disclosed that such an arrangement would offer any advantage and appears that the gaming machine of Inoue would perform equally well with an annular body as recited in claims 10 and 11. Therefore, it would have been obvious design choice to one of ordinary skill in the art at the time of the invention to modify Inoue with each annular body with two rims and a indicia strip between the two rims.

### ***Response to Arguments***

Applicant's arguments with respect to the pending claims have been considered but are moot in view of the new ground(s) of rejection.

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Andrew Kim whose telephone number is 571-272-1691. The examiner can normally be reached on M-F.

Art Unit: 3714

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Xuan Thai can be reached on 571-272-7147. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

AK 10/1/2007



**XUAN M. THAI**  
**SUPERVISORY PATENT EXAMINER**

TC 3702